

TEST CERTIFICATE

DATE SUBMITTED: 19-MAY-2017
DATE ISSUED: 23-MAY-2017
REPORT NO: 42800
COMPANY ORDER NUMBER: 60647

CUSTOMER CONTACT NAME: REBECCA GRIMES
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COMPANY: CAMIRA FABRICS LTD
MELTHAM MILLS
MELTHAM
WEST YORKSHIRE
HD9 4AY

CUSTOMER SAMPLE DESCRIPTION

FIBRE COMPOSITION: 95% Virgin Wool, 5% Polyamide
SAMPLE QUALITY/BATCH: Batch: 331027
SAMPLE DESCRIPTION: Synergy / Synergy 66 / Synergy 170
SAMPLE COLOUR: Partner
SMAPLE END USE: Contract / Panel Seating
FABRIC CUSTOMER: Not Stated
FABRIC SUPPLIER: Camira Fabrics

FIRE TEST REQUESTED:

(Confidential Report)

BS 7176: 2007+ A1:2011 Test for Low Hazard: Resistance to Ignition of Upholstered Furniture for Non-Domestic Seating by Testing Composites. Tested in accordance with BS EN 1021-1: 2006 Resistance to ignition source: smouldering cigarette & BS EN 1021-2: 2006 Resistance to ignition source: match flame equivalent.

LAUNDERING PROCEDURE:

The sample was subjected to the water soaking procedure @ $40 \pm 1^{\circ}\text{C}$ as stated in BS EN 1021-1 & 2 Annex D.

CONDITIONING PROIR TO TESTING:

The sample was conditioned immediately before the test for @ least 72 h in indoor ambient conditions and then for @ least 16 h at $23 \pm 2^{\circ}\text{C}$ and $50 \pm 5\%$ r h

Authorised signature:

Signed:  v

Zeb Alam
Technical Manager

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UPHOLSTERY FILLING SOURCE 0 & 1:

GRADE: CMHR35
 APPROX DENSITY: 35 kg per m³
 APPROX HARDNESS RANGE: 130 N

SIZE OF TEST RIG:

BACK JUNCTION: 450+/-2 mm x 300+/-2 mm
 SEAT JUNCTION: 450+/-2 mm x 150+/-2 mm

PROCEDURE:

The sample was mounted over the foam described above using the test rig as specified in BS EN 1021-1 & 2 Clause 6 Apparatus.

TESTING ENCLOSURE AND ATMOSPHERE:

The sample was tested in an atmosphere with a temperature of 10 °C to 30°C and a relative humidity of 15% to 80%. The sample was tested in an enclosure with a volume greater than 20m³

REQUIREMENTS:

Ignition Source: Cigarette
 Progressive Smouldering (detected within duration): 60 minutes after ignition of cigarette
 Flaming (detected within duration): 60 minutes after ignition of cigarette

Ignition Source: Match flame (15±1 second application time)
 Progressive Smouldering (maximum duration): 120 seconds after ignition of burner
 Smoking (maximum duration): 120 seconds after ignition of burner
 Flaming (maximum duration): 120 seconds after ignition of burner
 Afterglow (maximum duration): 120 seconds after ignition of burner

DATE OF TEST: 23-May-2017

Fire test carried out by: Peter Chan

RESULTS: The test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Observation of test:

Ignition Sources	Position	Duration of		Special Features of Burning	
		Flames (minutes)	Smouldering (minutes)	Charring	Melting
Test 1: Source 0	LHS	00.00	21.46	Yes	Yes
Test 2: Source 0	RHS	00.00	22.18	Yes	Yes
Test 1: Source 1	LHS	00.00	00.00	Yes	Yes
Test 2: Source 1	RHS	00.00	00.00	Yes	Yes
Test 3: Source 1	RHS	00.00	00.00	Yes	Yes

LHS=Left Hand Side M= Middle RHS= Right Hand Side

COMMENTS & OBSERVATIONS:

The sample tested **complies** with the requirements of BS 7176: 2007+ A1:2011 Test for Low Hazard: Resistance to Ignition of Upholstered Furniture for Non-Domestic Seating by Testing Composites (not recommended for use in higher hazard areas).

Smouldering Cigarette Test: **PASS (P0)**

Match Flame Equivalent Test: **PASS (P1)**

Please note: this test results issued on this certificate refer only to the item tested and therefore doesn't relate to the lot or batch of the product / sample. This test certificate shall not be duplicated.